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<p>(54) Title: COMPUTER-DRIVEN INFORMATION MANAGEMENT SYSTEM FOR SELECTIVELY MATCHING CREDIT APPLICANTS WITH MONEY LENDERS THROUGH A GLOBAL COMMUNICATIONS NETWORK</p> <p>(57) Abstract</p> <p>A computer-driven information management system selectively matches credit applicants with money lenders through a global communications network. The system includes an applicant data entry device (2) for entering applicant data into the system. The applicant data defines an electronic applicant profile (5) of a credit applicant seeking financing. A model data entry device (6) is provided for entering model data into the system. The model data is established by the lender and defines an electronic model profile (8) representing characteristics of a desired applicant. A filter (9) electronically compares the applicant profile with the model profile, such that for those credit applicants matching the model profile, the applicant data is made available (10) through the system to lender. For those credit applicants not matching the model profile, no applicant data is made available (9a) through the system to the lender.</p>			
<pre> graph TD     1[1 Seller Front End] --&gt; 2[2 Customer data entry]     2 --&gt; 3[3 Altered Customer data distribution programming]     3 --&gt; 4[4 Customer data submission / recording]     4 --&gt; 5[5 Customer data distribution profiling]     5 --&gt; 6{6 Filter}     6 --&gt; 7[7 Efficient Customer data distribution programming]     7 --&gt; 8[8 Determination of FP Auto Presentation]     8 --&gt; 9[9 Customer data distribution analysis]     9 --&gt; 10[10 Outbound data distribution to FI]     10 --&gt; 11{11 FP auto presentation analysis}     11 --&gt; 12[12 Presentation of FP to seller]     12 --&gt; 13{13 FI Internal Customer data distribution / office analysis (manual)}     13 --&gt; 14[14 Internal FI Detailed Customer data analysis (manual)]     14 --&gt; 15[15 Customer data rejection by FI]     15 --&gt; 16{16 Internal FI Detailed Customer data analysis (online automated)}     16 --&gt; 17[17 FP confirmation for Customer data by FI]     17 --&gt; 18{18 Seller FP analysis}     18 --&gt; 19{19 Seller Acceptance of FP}     19 --&gt; 20[20 No action taken]   </pre>			

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**COMPUTER-DRIVEN INFORMATION MANAGEMENT SYSTEM  
FOR SELECTIVELY MATCHING CREDIT APPLICANTS WITH  
MONEY LENDERS THROUGH A GLOBAL COMMUNICATIONS NETWORK**

Technical Field and Background of the Invention

This application claims the priority filing date of U.S. Provisional Patent Application Serial No. 60/107,683 filed on November 9, 1998. The complete disclosure of this application is incorporated herein by reference. This invention relates to a computer-driven information management system for selectively matching credit applicants with money lenders through a global communications network. The system provides a criteria-based, user programmable consumer credit information distribution and reception tool with automated finance product response option capabilities.

For years, consumers have been invited by sellers and finance institutions to apply for credit (including loans and leases) in order to purchase consumer durable goods such as houses, vehicles, boats, large appliances, and the like. To obtain financing for such purchases, the consumer would fill out a credit application which would include personal information relevant to its identity and creditworthiness. This information was then distributed in some manner to a finance institution in the business of writing terms for loan or lease "products." The finance institution would research the creditworthiness of the individual using various resources and respond by phone or fax to the applicant with an "approval," pending documentation and other due diligence, or a "denial" of the application.

For purposes of this description, when a consumer sends information directly to a particular finance institution, the consumer is applying for "direct financing." When an intermediary of any sort, such as a seller of the desired goods, is used to gather and distribute applicant information to one or more finance institutions, the term "indirect

financing" is used.

Indirect financing is valuable to finance institutions, sellers, and consumers alike. Finance institutions benefit from the arrangement in that they can capitalize on the "front line" presence of sellers to generate applicants for their finance products. Sellers have benefitted in two ways: one, their customer is able to obtain funds to buy their goods; and two, the finance institution will often reward the seller for sending them a new customer. The consumers benefit by obtaining financing for something they desire on terms acceptable to them.

The traditional avenues of indirect financing suffer from drawbacks and limitations. Prior to the invention, indirect financing was generally time consuming and costly, and was generally limited to an individual seller's access to finance product resources, and its skill and effort made in finding available finance products suitable for the customer. Moreover, depending on consumer credit quality, most credit applications that a finance institution receives through indirect channels do not result in a favorable outcome for anyone and yet, based on applicable Federal regulations, finance institutions are legally required to process and either approve or deny all credit applications received. For denied credit applications, the finance institution must prepare and forward a letter to the applicant stating that the application was denied. This procedure is costly and time consuming. It is also expensive for finance institutions to develop and maintain relationships with indirect channels.

One advantage of the present invention is the creation of an automated process for applicant information distribution by indirect channels, and selective reception of this information by finance institutions. Using the data processing and transmission components of the invention, requested applicant information is keyed into the system

by a seller who then creates a potential distribution pattern for this information to finance institutions having access to the system. In addition to the information entered directly by the seller, the system automatically adds certain credit history information obtained through a credit bureau to create a unique electronic profile of the applicant.

5                   Finance institutions can access the system at any time from a different data entry port. To avoid spending time and effort viewing all applicant profiles submitted to it through the system, the finance institution creates a model profile that outlines the characteristics of a desired credit applicant. The system then compares applicant profiles with the model profile of the finance institution and acts as a filter to remove from view  
10 information of any applicant that falls outside the profiled parameters.

As the system receives applicant information, it checks the information for potential distribution to any finance institution having access to the system. The system constantly monitors which finance institutions are logged-in and which applicant profiles need to be distributed where. As indicated above, an applicant profile is submitted to  
15 a finance institution if the finance institution is among the seller's selected distribution pattern and the applicant profile has characteristics consistent with the finance institution's model profile.

Once a finance institution is selected for receiving a desired applicant profile, it has several options. As one option, the system allows the finance institution to automatically present the seller with a profile-specific finance product based on just  
20 the fact that the applicant profile matched its model profile. As another option, the system allows the finance institution to view the electronic profile of the applicant, but without any personal information and no credit bureau information. This abbreviated applicant profile does not constitute a "credit application" and thus, no formal approval

or denial is required by the finance institution. With this option, the finance institution can have a real person more finely determine the desirability of any given applicant. Even though the model profile will rule out many applicants as undesirable, finance institutions often have human judgment factors built into their approval processes. If the  
5 human factor deems the credit applicant unacceptable, the finance institution can simply remove the applicant's profile from their view and conduct no further processing. As yet another option, the finance institution can choose to automatically download all data from any applicant profile that meets its model profile. In this case, the finance institution legally receives a credit application and must respond to the consumer in  
10 writing with either a formal approval or a denial.

According to the present invention, credit applicant information is distributed on the basis of criteria established by both sellers and finance institutions. This is a significant improvement over traditional distribution systems controlled only by sellers. With traditional systems, it is not uncommon for sellers to "broadcast fax" every  
15 credit application to every finance institution with whom they have a relationship. Since a faxed credit application landing in a fax basket constitutes "receipt" of the application, the finance institution is required to not only decipher a generally hand-written faxed document, it must also key the information from the document into its own proprietary system, purchase a credit bureau, and then decide whether to approve or deny the  
20 application. The finance institution has no option but to do all of this once the application lands in its fax basket. As each finance institution has a varying appetite for different levels of creditworthiness, much time and effort is spent teaching sellers what type of credit applications are deemed desirable. With the present invention, this effort is unnecessary and significant processing costs are avoided.

Summary of the Invention

Therefore, it is an object of the invention to provide an information management system for finance institutions and credit applicants which allows finance institutions to custom-form an electronic profile of a model applicant for a given finance product, and to limit financing consideration to only those credit applicants who match the model profile.

It is another object of the invention to provide an information management system for finance institutions and credit applicants which allows sellers and credit applicants to select a potential distribution pattern for applicant information to finance institutions.

It is another object of the invention to provide an information management system for finance institutions and credit applicants which allows faster access to more credit applicant information than that of traditional systems.

It is another object of the invention to provide an information management system for finance institutions and credit applicants which allows electronic delivery of transaction data, thereby reducing data delivery costs.

It is another object of the invention to provide an information management system for finance institutions and credit applicants which affords complete confidentiality for products offered by finance institutions.

It is another object of the invention to provide an information management system for finance institutions and credit applicants which allows finance institutions to quickly adjust a product's rate structure and other product features.

It is another object of the invention to provide an information management system for finance institutions and credit applicants which provides low cost entry by

finance institutions into vast markets outside of their geographic "footprint."

It is another object of the invention to provide an information management system for finance institutions and credit applicants which provides low cost new account origination for finance institutions.

5 It is another object of the invention to provide an information management system for finance institutions and credit applicants which provides state of the art data security.

10 It is another object of the invention to provide an information management system for finance institutions and credit applicants which provides bulletin board service for finance institutions for a direct marketing channel to sellers.

It is another object of the invention to provide an information management system for finance institutions and credit applicants which operates on a global network through the Internet.

15 It is another object of the invention to provide an information management system for finance institutions and credit applicants which uses a three-tier application program.

It is another object of the invention to provide an information management system for finance institutions and credit applicants which includes individual tier-one computer workstations.

20 It is another object of the invention to provide an information management system for finance institutions and credit applicants which uses tier-two business logic located on a wide-area network.

It is another object of the invention to provide an information management system for finance institutions and credit applicants which uses a tier-three database, such

as that of a credit bureau, and suitable programming for managing read and write access to the database.

It is another object of the invention to provide an information management system for finance institutions and credit applicants which may be extensible through the 5 use of, but not limited to, the following languages or tools: Cold Fusion, HTML, JavaScript, C++, JAVA, Cobalt, CICS, SQL, and various procedural and object-oriented programming languages.

It is another object of the invention to provide an information management system for finance institutions and credit applicants which uses a client/server network 10 computing model.

These and other objects of the present invention are achieved in the preferred embodiments disclosed below by providing a computer-driven information management system for selectively matching credit applicants with money lenders through a global communications network. The system includes applicant data entry means for entering applicant data into the system. The applicant data defines an electronic applicant profile of a credit applicant seeking financing. Model data entry means are provided for entering model data into the system. The model data is established by the lender and defines an electronic model profile representing characteristics of a desired applicant. Filter means electronically compares the applicant 15 profile with the model profile, such that for those credit applicants matching the model profile, the applicant data is made available through the system to lender. For those credit applicants not matching the model profile, no applicant data is made available 20 through the system to the lender.

According to one preferred embodiment of the invention, the applicant data

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entry means includes a computer, a keyboard for entering the applicant data into the computer, and global communications means for communicating the applicant data to the system.

According to another preferred embodiment of the invention, the model data entry means includes a computer, a keyboard for entering the model data into the computer, and global communications means for communicating the model data to the system.

According to yet another preferred embodiment of the invention, means are provided for retrieving applicant credit information from a credit bureau and incorporating the credit information into the applicant profile.

According to yet another preferred embodiment of the invention, term notification means are provided for electronically notifying those credit applicants matching the model profile of financing terms set by the lender.

According to yet another preferred embodiment of the invention, the term notification means occurs automatically in response to an applicant matching the model profile.

According to yet another preferred embodiment of the invention, applicant profile distribution means are provided for simultaneously distributing the applicant profile to a number of lenders having access to the system.

According to yet another preferred embodiment of the invention, lender selection means are provided for restricting the distribution of the applicant profile to only those lenders selected by the credit applicant and having access to the system.

According to yet another preferred embodiment of the invention, applicant data storing means are provided for electronically storing applicant data received by the

lender through the system.

According to yet another preferred embodiment of the invention, finance product selection means are provided for selecting a desired finance product from a group of finance products communicated to the system by the lenders.

5       The present invention further comprises a method for electronically managing information distribution to credit applicants and money lenders through a global communications network. The method includes the steps of entering applicant data and model data into the system. The applicant data defines an electronic applicant profile of a credit applicant seeking financing. The model data is established by the  
10      lender and defines an electronic model profile representing characteristics of a desired applicant. The applicant profile is then electronically compared with the model profile, such that for those credit applicants matching the model profile, the applicant data is made available through the system to lender. For those credit applicants not matching the model profile, no applicant data is made available through the system to the lender.

15      According to one preferred embodiment of the invention, the applicant data entry step includes using a computer, a keyboard for entering the applicant data into the computer, and global communications means for communicating the applicant data to the system.

20      According to another preferred embodiment of the invention, the model data entry step includes using a computer, a keyboard for entering the model data into the computer, and global communications means for communicating the model data to the system.

According to yet another preferred embodiment of the invention, the method includes the step of retrieving applicant credit information from a credit bureau

and incorporating the credit information into the applicant profile.

According to yet another preferred embodiment of the invention, the method includes the step of electronically notifying those credit applicants matching the model profile of financing terms set by the lender.

5 According to yet another preferred embodiment of the invention, the term notification step occurs automatically in response to an applicant matching the model profile.

According to yet another preferred embodiment of the invention, the method includes the step of simultaneously distributing the applicant profile to a number 10 of lenders having access to the system.

According to yet another preferred embodiment of the invention, the method includes the step of restricting the distribution of the applicant profile to only those lenders selected by the credit applicant and having access to the system.

According to yet another preferred embodiment of the invention, the 15 method includes the step of electronically storing applicant data received by the lender through the system.

According to yet another preferred embodiment of the invention, the method includes the step of selecting a desired finance product from a group of finance products communicated to the system by the lenders.

20 Brief Description of the Drawing

Some of the objects of the invention have been set forth above. Other objects and advantages of the invention will appear as the description proceeds when taken in conjunction with the following drawing. The drawing is a flow chart illustrating one preferred application of the present invention.

Description of the Preferred Embodiment and Best Mode

Referring now specifically to the drawing, a computer-driven information management system (the "System") according to the present invention is illustrated in flow-diagram form. The System is a three-tier application system with three primary subsystems or "tools": 1) the afferent distribution programming tool (ADT), 2) the efferent distribution programming tool (EDT), and 3) the automated and non-automated finance product distribution tool (FDT). The term "afferent distribution" as used herein refers to the distribution of credit applicant information inwardly from direct and indirect channels to the finance institutions, or money lenders. The term "efferent distribution" refers to the outward distribution of applications for finance products by finance institutions to sellers and applicants.

Referring to the flow diagram, a general description of the ADT begins with reference to item 1. A description of the EDT begins with reference to item 6. A description of the automated FDT begins with reference to item 11. A description of the non-automated FDT begins with reference to item 13. The following example is of an auto dealer acting as the seller in an indirect financing process.

Afferent Distribution Tool (ADT)

In the present example, a customer at a car dealership desires to purchase a vehicle using indirect financing obtained through the dealership. To access the System, the car dealer, or "seller", requires a standard tier-one computer workstation with suitable hardware and software configured to receive and distribute information through the Internet to a preconstructed system web site. The tier-one programming provides graphical user interface and application-specific entry forms or interactive windows. Other required system hardware includes a keyboard, mouse, monitor, communications

equipment such as a modem, and at least one line of communication with all other users and system components. System software includes a suitable Web browser, such as Netscape Navigator or Microsoft's Internet Explorer, for navigating the networked components of the System. In addition, conventional front end I/O tools such as HTML, XTM, JAVA, or other similar network distributable software is used to create various functional screens for end users on a global wide-area network.

Once financing is requested by the customer, the dealer connects to the system web site from his workstation, and navigates within the System to the first of a number of applicant data entry screens. The dealer enters the requested applicant data including personal, financial, and automobile information. See items 1 and 2 of the flow diagram. When this is completed, tier-two system logic prompts the dealer to select (by mouse-clicking) finance institutions who would potentially receive the applicant data (item 3). The finance institutions available for selection are those who subscribe to the System and use it as a source for obtaining credit applicant information. The dealer then mouse-clicks the on-screen "submit" button (item 4) and the applicant data is delivered to the System. Preferably, upon receipt of this data, the System automatically contacts a credit bureau and electronically imports certain employment and credit history information of the applicant using suitable tier-three application software. This information is then combined with the data entered by the dealer to create a unique electronic profile of the applicant (item 5). The applicant profile is formed using standard tier-two middleware, such as "Cold Fusion 3.1". Information typically contained in an applicant profile includes the applicant's name, social security number, address, employment information, financing information such as desired monthly payment and amount financed, and automobile information.

Efferent Distribution Tool (EDT)

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Referring now to item 6 of the flow diagram, to access the System, each finance institution requires at least one tier-one workstation including a computer, keyboard, mouse, monitor, communications equipment such as a modem, and at least one line of communication with all other users and system components. System software includes a Web browser for navigating the networked components of the System, and conventional front end I/O tools such as HTML, XTMIL, JAVA, or other similar network distributable tier-two applications.

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The finance institutions create customized electronic model profiles by entering into the System characteristics they judge to be indicative of a "desirable" credit applicant. For example, one finance institution may wish to see all applicant profiles originating from a particular dealer or geographic area, and having a minimum credit score of 650. Another finance institution may wish to see only those applicant profiles for new car financing and with a minimum loan amount of \$30,000. Other qualifiers might include the applicant's gross monthly income, state where dealer is located, number of months the applicant has been employed at present job, number of years the applicant has been residing at present address, and the like.

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The model profile is inputted into the System at any workstation of the finance institution using front-end user screens created by, for example, HTML, XTMIL, or JAVA programming language. Once the model profile is completed and submitted (item 7), the System electronically compares all available applicant profiles with the model profile, and filters out those applicant profiles that do not match the model profile. The remaining "desirable" applicant profiles are then made available to the finance institution for further processing. Tier-two middleware, such as "Cold Fusion 3.1" or the like, and tier-three data storage management and access tools are used to create system

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logic for analysis of each applicant profile to determine its distribution to finance institutions.

For each model profile created by a finance institution, the finance institution has the option of automatically submitting (item 8) through the System a preconfigured finance product to the dealer for those applicant profiles matching the model profile. This option is selected by the finance institution at the workstation using tier-one system programming.

Referring to items 9, 9a, and 10, as the System compares and matches applicant profiles and model profiles of finance institutions, automated global network data transmission and formatting tools are used to electronically distribute the applicant profiles to the proper finance institutions. Upon receipt, the finance institution immediately sees at its workstation, a representation of each applicant profile having characteristics matching its model profile and the dealer's distribution pattern. The finance institution does not, however, see a *complete* applicant profile. Instead, only selected applicant data and credit bureau information is distributed to the finance institution for preliminary consideration. Since certain personal information is omitted from this initial distribution, the finance institution has not legally received a "credit application." As a result, the System allows the finance institution to further analyze the desirability of credit applicants and make preliminary determinations of creditworthiness prior to undertaking costly credit application processing.

#### Automated Finance Product Distribution Tool (FDT)

If the finance institution has elected to automatically distribute a preconfigured finance product application to the dealer in the event of a successful match, as discussed above, the System immediately presents a portion of the finance product to the front end screen of the dealer's workstation. See items 11 and 12. The

dealer sees only a limited amount of information such as rate, term, monthly payment amount of financing and the finance institution behind the product. If this information is agreeable to the dealer and applicant (item 18), the details of the finance product, such as its stipulations, terms, and conditions, are available by simple "drill down" operations which the dealer can do very quickly from its workstation.

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Non-automated Finance Product Distribution Tool (FDT)

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Referring to items 13-17, if the finance institution has elected not to automatically distribute a finance product application through the System, further applicant profile analysis is generally undertaken manually (item 13) by persons responsible for making "human judgment" determinations of credit applicant desirability. Preferably, to avoid application processing costs and effort, the finance institution views only a portion of the applicant profile at this point. No personal data contained in the profile is made available unless requested. Thus, if the applicant profile is found to be undesirable (item 13a), it is removed from view at the workstation of the finance institution and no formal notification of an application "denial" is required.

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For a more detailed manual analysis (item 14), the finance institution may elect to view a complete applicant profile including all acquired personal data of the credit applicant. In this case, by law, the finance institution has now received an application for credit and must formally respond to the applicant with an approval of credit or a rejection letter explaining why the application was denied (item 15). The finance institution may also download the complete applicant profile, and have data transferred to its own internal automated creditworthiness scoring system. These type systems generally have electronic links to credit bureaus and can make approval or rejection decisions automatically (item 16).

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Once a particular applicant is approved by a finance institution for credit,

the finance institution configures an appropriate finance product (item 17). Front end screens at the finance institution's workstation present a form or including loan information, such as terms, conditions, rates, amounts, monthly payments, and the like. This form is submitted through the System to the dealer's workstation using suitable tier-two system programming (item 12). The dealer can then compare the finance products of each finance institution for a given customer and determine which suit him and his customer's needs (item 18). To make the desired selection, the dealer mouse-clicks an on-screen "accept" button (item 19). This act signals the finance institution that the dealer has made its selection and will generate and forward the necessary documents to the finance institution to finalize the loan transaction. For any unaccepted finance products, no action is required by the dealer (item 19a).

In addition to the scenario described above, the present System is applicable for direct use by customers seeking financing information from lenders and having a computer workstation with access to the system web site. The terms "money lender" and "finance institution" are used synonymously herein.

A computer-driven information management system for selectively matching credit applicants with money lenders through a global communications network is described above. Various details of the invention may be changed without departing from its scope. Furthermore, the foregoing description of the preferred embodiment of the invention and the best mode for practicing the invention are provided for the purpose of illustration only and not for the purpose of limitation.

## I. Claim:

1. A computer-driven information management system for selectively matching  
2. credit applicants with money lenders through a global communications network, said  
3. system comprising:

4. applicant data entry means for entering applicant data into the system, and  
5. defining an electronic applicant profile of a credit applicant seeking financing;

6. model data entry means for entering model data into the system, said model  
7. data being established by the lender and defining an electronic model profile  
8. representing characteristics of a desired applicant;

9. filter means for electronically comparing said applicant profile with said  
10. model profile, wherein:

11. i. for those credit applicants matching the model profile, said  
12. applicant data is made available through the system to lender; and

13. ii. for those credit applicants not matching the model profile, no  
14. applicant data is made available through the system to the lender.

1. 2. An information management system according to claim 1, wherein said  
2. applicant data entry means includes a computer, a keyboard for entering said applicant  
3. data into said computer, and global communications means for communicating said  
4. applicant data to the system.

- 1       3. An information management system according to claim 1, wherein said  
2 model data entry means includes a computer, a keyboard for entering said model data  
3 into said computer, and global communications means for communicating said model  
4 data to the system.
- 1       4. An information management system according to claim 1, and including  
2 means for retrieving applicant credit information from a credit bureau and incorporating  
3 said credit information into said applicant profile.
- 1       5. An information management system according to claim 1, and including  
2 term notification means for electronically notifying those credit applicants matching the  
3 model profile of financing terms set by the lender.
- 1       6. An information management system according to claim 5, wherein said term  
2 notification means occurs automatically in response to an applicant matching the model  
3 profile.

1        7. An information management system according to claim 1, and comprising  
2           applicant profile distribution means for simultaneously distributing said applicant profile  
3           to a number of lenders having access to the system.

1        8. An information management system according to claim 7, and comprising  
2           lender selection means for restricting the distribution of said applicant profile to only  
3           those lenders selected by the credit applicant and having access to the system.

1        9. An information management system according to claim 1, and comprising  
2           applicant data storing means for electronically storing applicant data received by the  
3           lender through the system.

1        10. An information management system according to claim 1, and comprising  
2           finance product selection means for selecting a desired finance product from a group of  
3           finance products communicated to the system by the lenders.

1        11.        A method for electronically managing information distribution to credit  
2        applicants and money lenders through a global communications network, said method  
3        comprising the steps of:

4                entering applicant data into the system, said applicant data defining an  
5        electronic applicant profile of a credit applicant seeking financing;

6                entering model data into the system, said model data being established by  
7        the lender and defining an electronic model profile representing characteristics of a  
8        desired applicant;

9                electronically comparing said applicant profile with said model profile,  
10        wherein:

11                i.        for those credit applicants matching the model profile, said  
12        applicant data is made available through the system to lender; and

13                ii.      for those credit applicants not matching the model profile, no  
14        applicant data is made available through the system to the lender.

1        12.        A method according to claim 11, wherein said applicant data entry step  
2        includes using a computer, a keyboard for entering said applicant data into said  
3        computer, and global communications means for communicating said applicant data to  
4        the system.

1       13.       A method according to claim 11, wherein said model data entry step  
2       includes using a computer, a keyboard for entering said model data into said computer,  
3       and global communications means for communicating said model data to the system.

1       14.       A method according to claim 11, and including the step of retrieving  
2       applicant credit information from a credit bureau and incorporating said credit  
3       information into said applicant profile.

1       15.       A method according to claim 11, and including the step of electronically  
2       notifying those credit applicants matching the model profile of financing terms set by the  
3       lender.

1       16.       A method according to claim 15, wherein said term notification step occurs  
2       automatically in response to an applicant matching the model profile.

1 17. A method according to claim 11, and comprising the step of simultaneously  
2 distributing said applicant profile to a number of lenders having access to the system.

1 18. A method according to claim 17, and comprising the step of restricting the  
2 distribution of said applicant profile to only those lenders selected by the credit applicant  
3 and having access to the system.

1 19. A method according to claim 11, and comprising the step of electronically  
2 storing applicant data received by the lender through the system.

1 20. A method according to claim 11, and comprising the step of selecting a  
2 desired finance product from a group of finance products communicated to the system  
3 by the lenders.

**AMENDED CLAIMS**

[received by the International Bureau on 10 April 2000 (10.04.00);  
new claims 21-62 added; remaining claims unchanged (17 pages)]

21. A computer system for matching, through a global communications network, an applicant for financing for a vehicle acquisition, with a number of financial institutions providing vehicle financing, the computer system comprising:

means for entering applicant data into the system, and for defining a digital applicant profile for the applicant;

means for entering model data into the system, model data being specified by each financial institution, and defining a digital model profile representing characteristics desired by each financial institution for any applicant for financing;

means for electronically comparing the digital applicant profile with each digital model profile, said comparing means comprising:

means for, when the applicant profile matches a model profile corresponding to a financial institution, transmitting the applicant profile to the financial institution, through the global communications network;

means for retrieving credit information about the applicant from a credit bureau and incorporating the credit information into the applicant profile;

means for electronically notifying the applicant of financing terms set by a financial institution for the applicant, where the applicant profile matches the model profile specified by that financial institution;

means for simultaneously distributing the applicant profile to a number of further financial institutions, where each such financial institution specified a model profile that matches the applicant profile;

means for further restricting the distribution of the applicant profile only to financial institutions selected by a member of the group comprising the applicant and a vehicle dealer;

means for electronically recording the applicant profile transmitted to any financial institution;

means for selecting by a member of the group comprising the applicant and the vehicle dealer, a finance product from a group of finance products specified by the financial institutions;

wherein the means for notifying notifies automatically, if the applicant profile matches a model profile;

wherein the global communications network comprises a first computer with the dealer, and a plurality of other computers with one such other computer at each financial institution, the first computer communicating electronically with each of the other computers through the Internet and a Web site, using a Web browser;

wherein the means for transmitting the applicant profile includes means for transmitting for preliminary consideration part of the data from the applicant profile to the financial institution corresponding to the model profile matching the applicant profile;

wherein the financing is one of a type selected from the group comprising loans and leases;

wherein the applicant profile includes information on a plurality of topics selected from the group comprising personal information, financial information, motor vehicle information, name, social security number, address, employment information, and financing information including desired monthly payment and desire amount to be financed; and

wherein each model profile includes information on a plurality of topics selected from the group comprising minimum credit score, type of motor vehicle acceptable, minimum loan amount, minimum gross monthly income of applicant, dealer location, number of months the applicant has been employed at present job, and number of years the applicant has been residing at its present residence.

22. A computer system for matching, through a global communications network, an applicant for financing for a vehicle acquisition, with a financial institution providing vehicle financing, the computer system comprising:

means for entering applicant data into the system, and for defining a digital applicant profile for the applicant;

means for entering model data into the system, model data being specified by the financial institution, and defining a digital model profile representing characteristics desired by each financial institution for any applicant for financing; and

means for electronically comparing the digital applicant profile with the digital model profile, said comparing means comprising:

means for, when the applicant profile matches the model profile corresponding to the financial institution, transmitting the applicant profile to the financial institution, through the global communications network.

23. The computer system of claim 22, wherein the global communications network comprises a first computer with the dealer, and a plurality of other computers

with one such other computer at each financial institution, the first computer communicating electronically with each of the other computers through the Internet and a Web site, using a Web browser.

24. The computer system of claim 22, wherein the means for transmitting the applicant profile includes means for transmitting for preliminary consideration part of the data from the applicant profile to the financial institution corresponding to the model profile matching the applicant profile.
25. The computer system of claim 22, wherein the financing is one of a type selected from the group comprising loans and leases.
26. The computer system of claim 22, further comprising means for retrieving credit information about the applicant from a credit bureau and incorporating the credit information into the applicant profile.
27. The computer system of claim 22, further comprising means for electronically notifying the applicant of the financing terms set by each financial institution for the applicant, where the applicant profile matches the model profile specified by that financial institution.

28. The computer system of claim 27, wherein the means for notifying notifies automatically, if the applicant profile matches a model profile.
29. The computer system of claim 22, further comprising means for simultaneously distributing the applicant profile to a number of further financial institutions, where each such financial institution specified a model profile that matches the applicant profile.
30. The computer system of claim 29, further comprising means for further restricting the distribution of the applicant profile only to financial institutions selected by a member of the group comprising the applicant and a vehicle dealer.
31. The computer system of claim 22, further comprising means for electronically recording the applicant profile transmitted to any financial institution.
32. The computer system of claim 22, further comprising means for selecting by a member of the group comprising the applicant and a vehicle dealer, a finance product from a group of finance products specified by the financial institution.

33. The computer system of claim 22, wherein the applicant profile includes information on a plurality of topics selected from the group comprising:

personal information, financial information, motor vehicle information, name, social security number, address, employment information, and financing information including desired monthly payment and desired amount to be financed.

34. The computer system of claim 22, wherein the model profile includes information on a plurality of topics selected from the group comprising:

minimum credit score, type of motor vehicle acceptable, minimum loan amount, minimum gross monthly income of applicant, dealer location, number of months the applicant has been employed at present job, and number of years the applicant has been residing at its present residence.

35. A method executed by a computer system for matching, through a global communications network, an applicant for financing for a vehicle acquisition with a number of financial institutions providing vehicle financing, the method comprising:

entering applicant data into the system, and for defining a digital applicant profile for the applicant;

entering model data into the system, model data being specified by each financial institution, and defining a digital model profile representing characteristics desired by each financial institution for any applicant for financing;

electronically comparing the digital applicant profile with each digital model profile, said comparing comprising:

when the applicant profile matches a model profile corresponding to a financial institution, transmitting the applicant profile to the financial institution, through the global communications network;

retrieving credit information about the applicant from a credit bureau and incorporating the credit information into the applicant profile;

electronically notifying the applicant of financing terms set by a financial institution for the applicant, where the applicant profile matches the model profile specified by that financial institution;

simultaneously distributing the applicant profile to a number of further financial institutions, where each such financial institution specified a model profile that matches the applicant profile;

further restricting the distribution of the applicant profile only to financial institutions selected by a member of the group comprising the applicant and a vehicle dealer;

electronically recording the applicant profile transmitted to any financial institution;

selecting by a member of the group comprising the applicant and the vehicle dealer, a finance product from a group of finance products specified by the financial institutions;

wherein notifying automatically, if the applicant profile matches a model profile;

wherein the global communications network comprises a first computer with the dealer, and a plurality of other computers with one such other computer at each financial institution, the first computer communicating electronically with each of the other computers through the Internet and a Web site, using a Web browser;

wherein transmitting the applicant profile includes transmitting for preliminary consideration part of the data from the applicant profile to the financial institution corresponding to the model profile matching the applicant profile;

wherein the financing is one of a type selected from the group comprising loans and leases;

wherein the applicant profile includes information on a plurality of topics selected from the group comprising personal information, financial information, motor vehicle information, name, social security number, address, employment information, and financing information including desired monthly payment and desired amount to be financed; and

wherein each model profile includes information on a plurality of topics selected from the group comprising minimum credit score, type of motor vehicle acceptable, minimum loan amount, minimum gross monthly income of applicant, dealer location, number of months the applicant has been employed at present job, and number of years the applicant has been residing at its present residence.

36. A method executed by a computer system for matching, through a global communications network, an applicant for financing for a vehicle acquisition with a financial institution providing vehicle financing, the method comprising:

entering applicant data into the system, and for defining a digital applicant profile for the applicant;

entering model data into the system, model data being specified by the financial institution, and defining a digital model profile representing characteristics desired by each financial institution for any applicant for financing; and

electronically comparing the digital applicant profile with the digital model profile, said comparing comprising:

when the applicant profile matches the model profile corresponding to the financial institution, transmitting the applicant profile to the financial institution, through the global communications network.

37. The method of claim 36, wherein the global communications network comprises a first computer with the dealer, and a plurality of other computers with one such other computer at each financial institution, the first computer communicating electronically with each of the other computers through the Internet and a Web site, using a Web browser.

38. The method of claim 36, wherein transmitting the applicant profile includes transmitting for preliminary consideration part of the data from the applicant profile to the financial institution corresponding to the model profile matching the applicant profile.
39. The method of claim 36, wherein the financing is one of a type selected from the group comprising loans and leases.
40. The method of claim 36, further comprising retrieving credit information about the applicant from a credit bureau and incorporating the credit information into the applicant profile.
41. The method of claim 36, further comprising electronically notifying the applicant of the financing terms set by each financial institution for the applicant, where the applicant profile matches the model profile specified by that financial institution.
42. The method of claim 41, wherein notifying automatically, if the applicant profile matches a model profile.

43. The method of claim 36, further comprising simultaneously distributing the applicant profile to a number of further financial institutions, where each such financial institution specified a model profile that matches the applicant profile.
44. The method of claim 43, further comprising further restricting the distribution of the applicant profile only to financial institutions selected by a member of the group comprising the applicant and a vehicle dealer.
45. The method of claim 36, further comprising electronically recording the applicant profile transmitted to any financial institution.
46. The method of claim 36, further comprising selecting by a member of the group comprising the applicant and a vehicle dealer, a finance product from a group of finance products specified by the financial institution.
47. The method of claim 36, wherein the applicant profile includes information on a plurality of topics selected from the group comprising:  
personal information, financial information, motor vehicle information, name, social security number, address, employment information, and financing information including desired monthly payment and desire amount to be financed.

48. The method of claim 36, wherein the model profile includes information on a plurality of topics selected from the group comprising:

minimum credit score, type of motor vehicle acceptable, minimum loan amount, minimum gross monthly income of applicant, dealer location, number of months the applicant has been employed at present job, and number of years the applicant has been residing at its present residence.

49. A computer readable memory medium, encoded with data representing a computer program, that can be used by a computer system to direct the computer system to execute a method for matching, through a global communications network, an applicant for financing for a vehicle acquisition, with a number of financial institutions providing vehicle financing, the medium comprising:

means for entering applicant data into the system, and for defining a digital applicant profile for the applicant;

means for entering model data into the system, model data being specified by each financial institution, and defining a digital model profile representing characteristics desired by each financial institution for any applicant financing;

means for electronically comparing the digital applicant profile with each digital model profile, said comparing means comprising:

means for, when the applicant profile matches a model profile corresponding to a financial institution, transmitting the applicant profile to the financial institution, through the global communications network;

means for retrieving credit information about the applicant from a credit bureau and incorporating the credit information into the applicant profile;

means for electronically notifying the applicant of financing terms set by a financial institution for the applicant, where the applicant profile matches the model profile specified by that financial institution;

means for simultaneously distributing the applicant profile to a number of further financial institutions, where each such financial institution specified a model profile that matches the applicant profile;

means for further restricting the distribution of the applicant profile only to financial institutions selected by a member of the group comprising the applicant and a vehicle dealer;

means for electronically recording the applicant profile transmitted to any financial institution;

means for selecting by a member of the group comprising the applicant and the vehicle dealer, a finance product from a group of finance products specified by the financial institutions;

wherein the means for notifying notifies automatically, if the applicant profile matches a model profile;

wherein the global communications network comprises a first computer with the dealer, and a plurality of other computers with one such other computer at each financial institution, the first computer communicating electronically with each of the other computers through the Internet and a Web site, using a Web browser;

wherein the means for transmitting the applicant profile includes means for transmitting for preliminary consideration part of the data from the applicant profile to the financial institution corresponding to the model profile matching the applicant profile;

wherein the financing is one of a type selected from the group comprising loans and leases;

wherein the applicant profile includes information on a plurality of topics selected from the group comprising personal information, financial information, motor vehicle information, name, social security number, address, employment information, and financing information including desired monthly payment and desired amount to be financed; and

wherein each model profile includes information on a plurality of topics selected from the group comprising minimum credit score, type of motor vehicle acceptable, minimum loan amount, minimum gross monthly income of applicant, dealer location, number of months the applicant has been employed at present job, and number of years the applicant has been residing at its present residence.

50. A computer readable memory medium, encoded with data representing a computer program, that can be used by a computer system to direct the computer system to execute a method for matching, through a global communications network, an applicant for financing for a vehicle acquisition, with a financial institution providing vehicle financing, the medium comprising:

means for entering applicant data into the system, and for defining a digital applicant profile for the applicant;

means for entering model data into the system, model data being specified by the financial institution, and defining a digital model profile representing characteristics desired by each financial institution for any applicant for financing; and

means for electronically comparing the digital applicant profile with the digital model profile, said comparing means comprising:

means for, when the applicant profile matches the model profile corresponding to the financial institution, transmitting the applicant profile to the financial institution, through the global communications network.

51. The medium of claim 50, wherein the global communications network comprises a first computer with the dealer, and a plurality of other computers with one such other computer at each financial institution, the first computer communicating electronically with each of the other computers through the Internet and a Web site, using a Web browser.

52. The medium of claim 50, wherein the means for transmitting the applicant profile includes means for transmitting for preliminary consideration part of the data from the applicant profile to the financial institution corresponding to the model profile matching the applicant profile.

53. The medium of claim 50, wherein the financing is one of a type selected from the group comprising loans and leases.
54. The medium of claim 50, further comprising means for retrieving credit information about the applicant from a credit bureau and incorporating the credit information into the applicant profile.
55. The medium of claim 50, further comprising means for electronically notifying the applicant of the financing terms set by each financial institution for the applicant, where the applicant profile matches the model profile specified by that financial institution.
56. The medium of claim 55, wherein the means for notifying notifies automatically, if the applicant profile matches a model profile.
57. The medium of claim 50, further comprising means for simultaneously distributing the applicant profile to a number of further financial institutions, where each such financial institution specified a model profile that matches the applicant profile.

58. The medium of claim 57, further comprising means for further restricting the distribution of the applicant profile only to financial institutions selected by a member of the group comprising the applicant and a vehicle dealer.

59. The medium of claim 50, further comprising means for electronically recording the applicant profile transmitted to any financial institution.

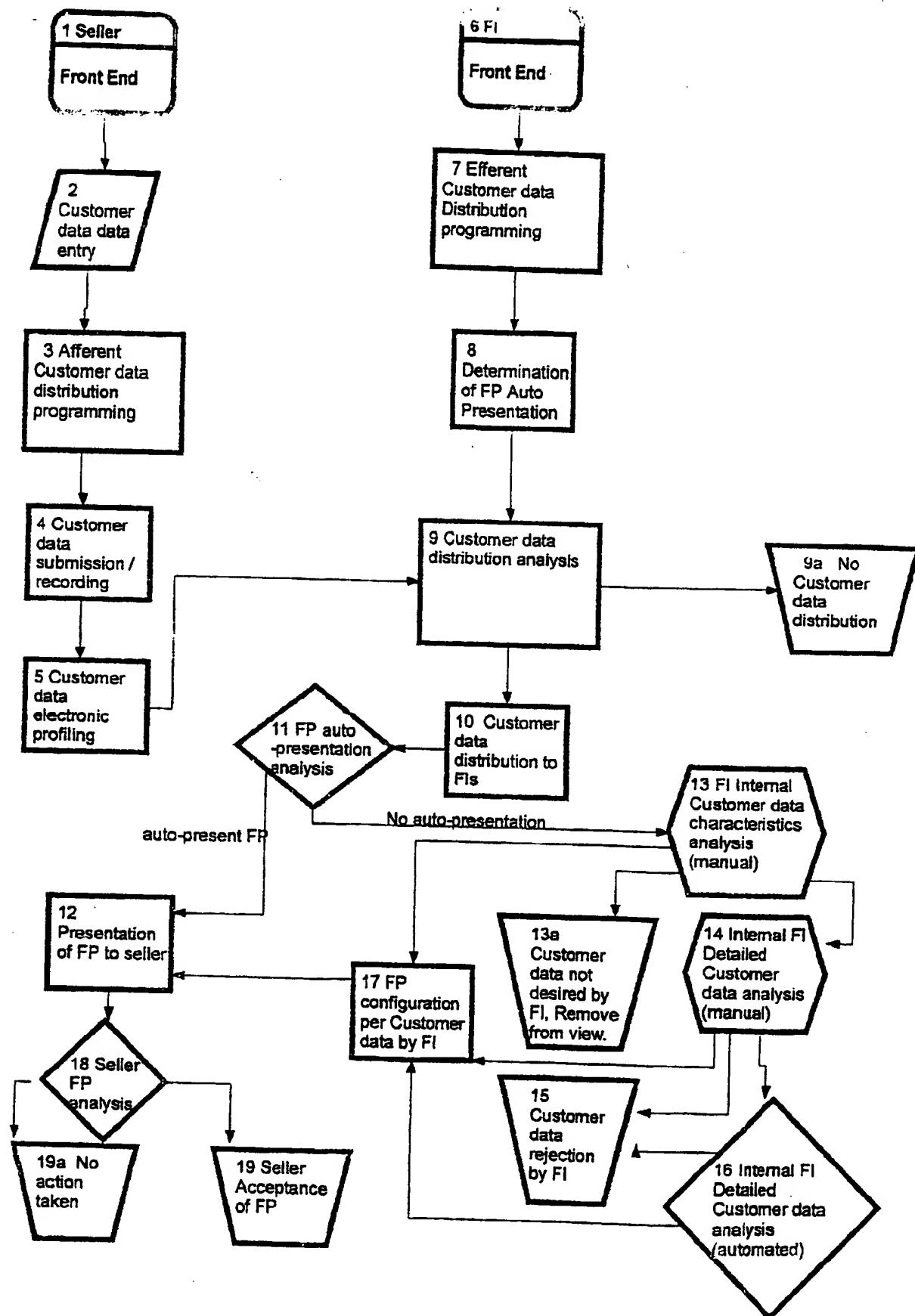
60. The medium of claim 50, further comprising means for selecting by a member of the group comprising the applicant and a vehicle dealer, a finance product from a group of finance products specified by the financial institution.

61. The medium of claim 50, wherein the applicant profile includes information on a plurality of topics selected from the group comprising:

personal information, financial information, motor vehicle information, name social security number, address, employment information, and financing information including desired monthly payment and desired amount to be financed.

62. The medium of claim 50, wherein the model profile includes information on a plurality of topics selected from the group comprising:

minimum credit score, type of motor vehicle acceptable, minimum loan amount, minimum gross monthly income of applicant, dealer location, number of months the applicant has been employed at present job, and number of years the applicant has been residing at its present residence.



# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US99/26395

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : G06F 17/60  
US CL : 705/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 705/38, 35, 37

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P	US 5,878,403 A (DEFRANCESCO et al) 02 MARCH 1999 (02/03/99), see entire document especially Figure 1.	1-20
Y,P	US 5,940,812 A (TENGEL et al) 17 AUGUST 1999 (17/08/99), column 4, lines 14-17.	1-20
Y	US 5,774,883 A (ANDERSON et al) 03 JUNE 1998 (03/06/98), Figure 12 and column 2, lines 15-19.	1-20
A	US 4,736,294 A (GILL et al) 05 APRIL 1988 (05/04/88), entire document.	1-20
A	US 5,239,462 A (JONES et al) 24 AUGUST 1993 (24/08/93), entire document.	1-20
A	US 5,797,133 A (JONES et al) 18 AUGUST 1998 (18/08/98), entire document.	1-20
A,P	US 5,930,776 A (DYKSTRA et al) 27 JULY 1999 (27/07/99), entire document.	1-20

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
* "T"	Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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Date of the actual completion of the international search <u>20 January 2000 (20.01.2000)</u>	Date of mailing of the international search report <u>10 FEB 2000</u>
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230	Authorized officer  James P. Trammell Telephone No. (703) 305-3900